US Dept. of Commerce Attorney Docket No: 19412-1773001 Substitute Form PTO-1449 (Meditied) Patent & Trademark Office Applicant: Liu, et aRECEIVED Information Disclosure Statement by Applicant se several sheets if necessary) JUN 2 5 20**01** Filing Date: 12/27/00 U.S. Patent Documents TO 3600 MAIL ROOM Filing Date Issue Examiner if appropriate Date Initial Patentee Class Subclass Patent Number Other Documents (including Author, Title, Date, Place of Publication) Al-Shawi, R.; Burke, J.; Jones, C.T.; Simons, J. P.; Bishop, J.O.; A Mup Promoter-Thymidine Kinase Αl Reporter Gene Shows Relaxed Tissue-Specific Expression and Confers Male Sterility upon Transgenic Mice, Mol. Cell Biol., pp. 4821-4828, Nov. 1988. Al-Shawi, R.; Burke, J.; Wallace, H.; Jones, C.L.; Harrison, S.; Buxton, D.; Maley, S.; Chandley, A.; A2 Bishop, J.O., The Herpes Simplex Virus Type 1 Thymidine Kinase Is Expressed in the Testes of Transgenic Mice Under the Control of a Cryptic Promoter, Mol. Cell Biol., pp. 4207-4216, Aug. 1991 Braun, R.E..; Behringer, R.R.; Peschon, J.J.; Brinster, R.L.; Palmiter, R.D., Genetically Haploid A3 Spermatids are Phenotypically Diploid, Nature, Vol. 337, pp:\373-376, 26 January 1989. Bernier, F.; Guerin, S.L..; Ouellet, M.; Pelletier, G.; Pothier, F., Binding of Multiple Nuclear Proteins A4 from Mouse Testis to the Cryptic Promoter of the Herpes Simplex Virus Type 1 Thymidine Kinase Gene, Transgenics, Vol. 1, pp. 225-240, 1994. Braun, R.E.; Lo, D.; Pinkert, C.A.; Widera, G.; Flavell, R.A.; Palmiter, R.D.; Brinster, R.I., Infertility in **A**5 Male Transgenic Mice: Disruption of Sperm Development by HSV-tk Expression in Postmeiotic Germ Cells, Bio. of Reproduction 43, pp. 684-693 (1990). Capel, B.; Swain, A.; Nicolis, S.; Hacker, A.; Walter, M.; Koopman, P.; Goodfellow, P.; Lovell-Badge, **A6** R., Circular Transcripts of the Testis-Determining Gene Sry in Adult Mouse Testis, Cell, 73, pp: 1019-1030. Davies, P.O.; Willison, K.R., Molecular Mechanisms of Differentiation in Mammalian **A**7 Spermatogenesis, Seminars in Developmental Biology, Vol. 3, pp. 179-188, 1993. Ellison, A.R.; Wallace, H.; Al-Shawi, R.; Bishop, J.O.; Different Transmission Rates of Herpesvirus **A8** Thymidine Kinase Reporter Transgenes From Founder Male Parents and Male Parents of Subsequent Generations, Molecular Reproduction and Development, 41, pp: 425-434, 1995. Ellison, A.R.; Bishop, J.O., Initiation of Herpes Simplex Virus Thymidine Kinase Polypeptides, Α9 Nucleic Acids Research, Vol. 24, No. 11, pp: 2073-2079, 1996. Ellison, A.R.; Bishop, J.O.; Herpesvirus Thymidine Kinase Transgenes That Do Not Cause Male A10 Sterility Are Aberrantly Transcribed and Translated in the Testis, Biochimica et Biophysica Acta, 1442, pp: 28-38, 1998. Erickson, Robert P. Post-Meiotic Gene Expression, TIG, August 1990, Vol. 6, No. 8. A11 Gondo, Y.; Nakamura, K.; Nakao, K.; Sasaoka, T.; Ito, K.; Kimura, M.; Katsuki, M., Gene A12 Replacement of the p53 Gene with the lacZ Gene in Mouse Embryonic Stem Cells and Mice by using Two Steps of Homologous Recombination, Bio. and Biophysical Research Communications, Vol. 202, No. 2, pp: 830-837, 1994. Haarr, L.; Flatmark, T.; Evidence That Deletion of Coding Sequences in the 5' End of the Thymidine A13 Kinase Gene of Herpes Simplex Virus Type 1 Affects the Stability of the Gene Products; J. Gen. Virol., 68, pp: 2817-2829, 1987. Hendriksen, P.J.M.; Hoogerbrugge, J.W.; Themmen, A.P.N.; Koken, M.H.M.; Hoeijmakers, J.H.J; A14 Oostra, B.A.; § van der Lende, T.; Grootegoed, J.A. Rapid Communication- Postmeiotic Transcription of X and Y Chromosomal Genes During Spermatogenesis in the Mouse. Developmental Biology, 170, pp: 730-733, 1995. Herrmann, B.G.; Koschorz, B.; Wertz, K.; McLaughlin, K.J.; Kispert, A. A Protein Kinase Encoded by A15 the t Complex Responder Gene Causes Non-Mendelian Inheritance, Nature, Vol. 402, pp. 141-146, November, 1999. Huttner, K.M.; Pudney, J.; Milstone, D.S., Ladd, D.; Seidman, J.G., Flagellar and Acrosomal A16 Abnormalities Associated with Testicular HSV-tk Expression in the Mouse, Biology of Reproduction, 49, pp: 251-261, 1993. Melton, D.W.; Konecki, D.S.; Brennand, J.; Caskey, C.T., Structure, Expression and Mutation of the A17

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